

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/05886A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02F/1362

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC-7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 650 358 A (GU TIEER ET AL) 22 July 1997 (1997-07-22) the whole document	1,9
A	US 5 724 111 A (KANOH HIROSHI ET AL) 3 March 1998 (1998-03-03) figure 3; example 1	1,9
A	US 6 372 534 B1 (DEN BOER WILLEM ET AL) 16 April 2002 (2002-04-16) column 5, line 56 - column 7, line 49; figure 4	1,9
A	US 5 682 211 A (YAO WILLIAM ET AL) 28 October 1997 (1997-10-28) column 4, line 3 - line 67; figures 3,4	1,9
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

17 March 2004

Date of mailing of the International search report

25/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Lord, R

INTERNATIONAL SEARCH REPORT

International
PCT/IB 03/05886

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 097 454 A (TAKEMURA YASUHIKO ET AL) 1 August 2000 (2000-08-01) column 6, line 18 - column 8, line 17; figures 1,2 -----	1,9
A	"PIXEL STRUCTURE FOR HIGH APRTURE RATIO ACTIVE MATRIX LIQUID CRYSTAL DISPLAYS" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 40, no. 11, 1 November 1997 (1997-11-01), pages 3-5, XP000739901 ISSN: 0018-8689 the whole document -----	1,9

INTERNATIONAL SEARCH REPORT

International
PCT/IB 03/05886

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5650358	A	22-07-1997	US	5872370 A	16-02-1999
US 5724111	A	03-03-1998	JP	2768313 B2	25-06-1998
			JP	8338993 A	24-12-1996
			US	6266112 B1	24-07-2001
			US	5796455 A	18-08-1998
			US	6018379 A	25-01-2000
US 6372534	B1	16-04-2002	US	6124606 A	26-09-2000
			US	2002098629 A1	25-07-2002
			US	2002093027 A1	18-07-2002
			US	6365916 B1	02-04-2002
			US	6307215 B1	23-10-2001
			US	2001029057 A1	11-10-2001
			US	5994721 A	30-11-1999
			AT	231247 T	15-02-2003
			CA	2178232 A1	07-12-1996
			DE	69625750 D1	20-02-2003
			DE	69625750 T2	18-09-2003
			DK	752611 T3	14-04-2003
			EP	1256836 A2	13-11-2002
			EP	0752611 A2	08-01-1997
			ES	2188691 T3	01-07-2003
			JP	9022028 A	21-01-1997
			PT	752611 T	30-04-2003
			SI	752611 T1	30-06-2003
			US	2002088982 A1	11-07-2002
			US	5955744 A	21-09-1999
			US	6320226 B1	20-11-2001
			US	5641974 A	24-06-1997
			US	6376270 B1	23-04-2002
			US	2001011728 A1	09-08-2001
			US	5780871 A	14-07-1998
			US	5920084 A	06-07-1999
US 5682211	A	28-10-1997	EP	0745885 A2	04-12-1996
			JP	8328040 A	13-12-1996
			DE	69523807 D1	20-12-2001
			DE	69523807 T2	04-04-2002
			EP	0679922 A1	02-11-1995
			JP	8043860 A	16-02-1996
			US	5621556 A	15-04-1997
			US	5867242 A	02-02-1999
US 6097454	A	01-08-2000	JP	10010580 A	16-01-1998
			JP	10010581 A	16-01-1998
			US	6005648 A	21-12-1999